

CZOTTNER, Sandor

Industrial power economy. Ipari energia 1 no.1/4:1-2 J1-0 '60.

1. Nehézipari miniszter, Budapest.

CZOTTNER, Sandor

The 1959 achievements of the chemical industry and its 1960 tasks.
Magy kem lap 15 no.1:1-3 Ja '60.

1. Nehezipari miniszter, Budapest.

H/006/61/000/001/001/001
D215/D304

AUTHOR: Czottner, Sándor, Minister for Heavy Industry

TITLE: Results of the Hungarian chemical industry in 1960 and its tasks for 1961: The first year of the second Five-Year-Plan

PERIODICAL: Magyar Kémikusok lapja, no. 1, 1961, 1 - 5

TEXT: This article reports briefly on the last year of the Three-Year-Plan and looks at the new Five-Year-Plan, limiting itself, however, to heavy industry. By September 1, 1960, production of sulphuric acid had reached 103 %, of nitrogen-116 %, and of viscose - 109 %. The main aims of the Hungarian chemical industry during the Five-Year-Plan are to be the development of: Fertilizers, weed-killers, plant protection substances, synthetics, synthetic fibers, pharmaceutical items, rubber tires, synthetic detergents, paints. After giving percentage production increases in 1960 over 1959 for

Card 1/6

Results of the Hungarian ...

H/006/61/000/001/001/001
D215/D304

✓

nitrogen and phosphor fertilizers and DDT, the article points out that toward the end of 1960, the Péti Nitrogénművek plant [Abstractor's note: Location not given] started and brought up to capacity production a new argon plant. This will be able to satisfy domestic demands as well as some export requirements. Unfortunately a part of the argon produced could not be utilized for lack of cylinders. The first continuous superphosphate plant, manufactured according to Soviet plans and equipped with domestically produced machinery is being completed. There has been no increase in the production of caustic soda. Both, the Hungária Vegyiművek and Berentei Vegyiművek plants are being equipped and are to start production during 1962-63. Both plants have a 10,000 ton capacity. Demands for oxygen rose by 30 - 40 %; to meet this requirements, oxygen units belonging to nitrogen fertilizer plants were also used. Synthetic lacquers increased approximately 5 % over 1959. Of greater importance is the completion of a polyester plant [Abstractor's note: Location not given], also of the Tiszavidéki Vegyi Kombinát paint factory. The

Card 2/6

Results of the Hungarian ...

H/006/61/000/001/001/001
D215/D304

photographic industry has also progressed, e.g. the Forte Fotoké-
miai Vállalat increased paper production by 6 % during 1960. New
automatic packaging machines are being installed there. As regards
organic and synthetic base materials, the most significant increase
was in phenolics - 29 % over 1959. A significant technical develop-
ment was noticeable in the polyester field; new equipment was ob-
tained for manufacturing boat bodies and communications equipment.
Equipping of the 6,000 ton PVC works at Berentei Vegyiművek has
begun: It should be in production by 1963. There was no real pro-
duction increase in synthetic fibers. Viscose was up by 1 % and
danulon by approximately 6 %. The danulon plant is being enlarged
and annual production for 1962 is planned to be 1,500 tons. The
dye industry has been reorganized. The Medicolor vállalat budapesti
(Budapest Medicolor Plant) has been discontinued and production has
been transferred to the Veszprém Megyei Fésztékgyár. The most notice-
able improvements are reported from the pharmaceutical industry,
whose increase was 38 % over 1959. Increases were made especially

Card 3/6

Results of the Hungarian ...

H/006/61/000/001/001/001
D215/D304

in the manufacture of the following: Acetosalylic acid, superseptil, vitamin B₁, vitamin B₁₂, klorocid, vitamin C, and oxytetracyclin. New articles [Abstractor's note: Not described] include: Ple-gangin tablets, klorocid H, tetran, superseptyl, discural, sertan, tetraxan and trioxazin, the latter being a completely original Hungarian product. The Kobanyai Gyogyszegyar has started a new isotope laboratory. In 1960 the Chinoin Gyogyszer és Vegyészeti Termékek started a new vitamin B₁₂ plant, the Egyesült Gyogyszer és Tápszer a new vitamin C unit. Rubber production was up 16 %, car-tires - 2%, truck-tires - 4 %. The quality of these tires is being considerably improved by the installation of new equipment, e.g. the so-called "Bag-o-Matic" vulcanizer - resulting in an average life of 42 - 45,000 km. The author then discusses shortcomings in all branches of Hungarian heavy industry and poor labor productivity, and states that the Ministry of Heavy Industry intends to participate more directly in industrial decisions. As regards fertilizers in 1961, the planned output increase for nitrogen-fertilizers is 21 % and super-

Card 4/6

Results of the Hungarian ...

H/006/61/000/001/001/001
D215/D304

phosphates - 17 %. Equipping of the Borsod and Tiszavidéki Vegyi Kombinát is to continue, Borsod is to change over to natural gas and the building of the pipe line Miskolc - Barcika is planned for 1961. The plants already started at Tiszamenti for sulphuric acid and Hungary and Berentei for caustic acid production are to be completed. It is further planned to increase sulphuric acid production by 11 % during 1961. DDT and HCH output is also to be increased. In the photographic industry the production of colored photographic paper is the most important project for 1961. The pharmaceutical industry is also to increase its production by 20 % over 1960. The author stresses the importance of manufacturing those products which are in short supply on the domestic market. In this respect, he cites rubber production, whose increase is to be 26 % for 1961, including truck tires by 10 % and car tires by 40 %. Finally, the author points out that financial allocations for equipment will increase by 50 % - a doubling of the 1959 figure; of this money, 46 % will go to the nitrogen industry, 13 % to the synthetics and synthe-

Card 5/6

Results of the Hungarian ...

H/006/61/000/001/001/001
D215/D304

tic fiber industry, 12.5 % to the pharmaceutical and 11 % to the rubber industries.

Card 6/6

CZOTTNER, Sandor (Budapest)

Happy New Year, good luck! Ujit lap 13 no.1:3 Ja '61.

1. Nehezipari miniszter.

(Hungary—Industries)

CZOTTNER, Sandor

Achievements of the Hunfarian chemical industries during the year
1960 and its task for 1961. Przem chem 40 no.11:620-621 N '61.

1. Minister Przemyslu Ciezkiego, Budapest.

CZOTTNER, Sandor

The 1961 achievements in the development of our socialist chemical industry and its 1962 plans. Magy kem lap 17 no.1:1-7 Ja '62.

1. Nehezipari miniszter, Budapest.

(Hungary--Chemical industries)

CZOTTNER, Sandor

What do we expect from our innovators and inventors in the new year? Ujit lap 14 no.1:3-4 Ja '62.

1. Nehezipari miniszter, Budapest.

CZOTTNER, Sandor

Significance of industrial power economy. Ipari energia 3
no.1/2:2-3 Ja-F '62.

1. Nehezipari miniszter.

CZOTTNER, Sandor

Let us strive for better, more up-to-date innovations! Ujit
lap 15 no.1:3-4 10 Ja '63.

1. Nehezipari miniszter, Budapest.

CZOTTNER, Sandor

New Year's greeting. Ujit lap 12 no¹¹:3 10 Ja '60.

1. Nehezipari miniszter.

CZOTTNER, Sandor

Achievements and tasks of our chemical industry in the middle of the second five-year plan. Magyar Nemzet 18 no.1:1-7 Ja '63.

1. Nehézipari miniszter, Budapest.

CZOTTNER, Sandor

Economic significance of oil production in Hungary. Bany lap
96 no.10:649-653 0'63.

CZOTNER, Sandor, okleveles bányamérnök

The role and significance of mining in the Hungarian national economy. Bányalap 93 no. 11:735-739 N '60.

1. Nehézipari miniszter, Budapest.

CZOTTNER, Sandor; KERTAI, Gyorgy, dr.; DANK, Viktor, dr.; BENCZE, Laszlo;
KASSAI, Lajos; BUGSKO, Eva; GALAMBOS, Istvan; NAGY BIRO, Sandor;
TOTH, Janos; NEDEA, Ede; TAKACS, Pal, dr.; SIPOS, Janos; BERECSKY,
Tamas; HALMAY, Jenő; KERESZTES, Matyas, dr.; CORNIDES, Istvan;
BALLA, Sarolta'

The 2d Hungarian Conference on Natural Gas. Ipari energia 3
no.10:225-231 0 '62.

1. Nehezipari miniszter (for Czottner).

CZOVEK, Janos

Better work organization: the basis of the success of the autumn peak traffic. Vasut 13 no.10:1-2 0 '63.

1. I/8. E.Osztaly vezetoje.

CZOVEK, Janos

Significance of forming direction freight trains. Vasut 14
no. 2: 2-4 F '64.

HUNGARY

TOTH, Bela, Dr., Candidate of Veterinary Sciences, CZOVEK, Laszlo, Dr., and MARKOVITS, Pal, Dr., Phylaxia State Works for Immunizing Material Production (Phylaxia Allami Oltoanyagtermelo Intezet)[location not given](Director: MOLNAR, Jozsef, Dr.).

"The Role of the Immunization of Breeding Stock with Attenuated-Virulence Virus in the Control of Infectious Hepatitis in Ducks"

Budapest, Magyar Allatorvosok Lapja, Vol 21, No 5, May 1966, pp 208-210.

Abstract: Tests with attenuated TN virus for infectious hepatitis, administered to duck breeding stock by injection or orally, showed that it is possible to confer natural immunity for several generations. Immunization demonstrably increased the amount of specific antibodies in the blood serum. 5 references, including 3 Hungarian and 2 Western.

CZOWA-KRIST A.

Distr: 4E3o/4E3d

Spark counter applied to detection of slow neutrons. A. Czornicka, and J. A. Janik (Univ. Krakow, Poland). *Zeszyty Nauk. Univ. Jagiel., Ser. Nauk Mat.-Przyrod., Mat., Fiz., Chem.* No. 2, 3-35 (1980) (English summary). — A spark counter of the Rosenblum type is adapted for detection of slow neutrons. The anode consists of 6 wires, 0.08 mm. in diam.; the cathode, 1.5 mm. below, is a Cu plate covered with a B layer. The curve, counts vs. voltage, has a plateau from 4000 to 6000 v., the cathode has to be exchanged after 2 weeks of work, and the yield is about 0.01%, but the construction is simple, the electromagnetic, mech., and acoustic disturbances have no noticeable effect, and the results are reproducible after an exchange of the cathode, cf. Bavel, C.A. 46, 8082c. J. Stecki

CC
X

5
2

Pat

CZOWNICKI, J.

" The Polish Air Force in the battle for Warsaw" p. 3 (Skrzydłata Polska, Vol. 9, no. 1, Jan 53, Warszawa)

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Uncl

CZOWNICKI, J.

"Activity of the Polish Air Force in February 1945" p. 36 (Skrzydlate Polska, Vol. 2, no. 2, Feb 53, Warszawa)

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Uncl

CZOWICKI, J.; SKALSKI, S.

Participation of the Polish Air Force in the victory over the Germans. p. 28.

WOJSKOWY PRZEGLAD LOTNICZY. (Dowodztwo Wojsk Lotniczych) Warszawa, Poland
Vol. 11, No. 10, Oct. 1958.

Monthly List of East European accession (LEAI), LC. Vol. 8, No. 9 September,
1959. Uncl.

CZODNICKI, J., pułkownik dyplomowany, pilot

Current problems of contemporary aviation. Wojsk przegl 13 no.11:
3-15 N '60.

1. Członek Komitetu redakcyjnego miesięcznika "Wojskowy Przegląd
Lotniczy."

CZRFUSZ, M.

Czechoslovakia

CA:47:11774

"Incrustations in vacuum pans."

Cukoripar 3, 142(1950); Sugar Ind. Abstr. 12, 132(1950)

CZERNIECKA, L.; LUKASZEWICZ, M.

"A Dunghill Constructed of Substitute Materials", P. 24, (BUDOWNICTWO
WIEJSKIE, Vol. 6, No. 4, July/August, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955, Uncl.

CZSTAKA, Jan, prof., mgr., inz.

On a Ignacy Lukasiewicz Petroleum Industry Museum in Bobrka.
.Nafta Pol 17 no.7:205-206 '61.

Czuba J.

Czuba J.

Czuba J., Eng. "Savings Connected with the Application of Welding." (Oszczednosci zelazane z zastosowaniem spawania). Przeglad Budowlany, No. 12, 1949, pp. 512-517, 14 figs.

The author describes the advantages which accrue from welding: savings in material and in the time of execution, the clarity of drawings, repairs, the ease with which a tight joint is made. A graphical comparison of the costs of riveting and welding are given. Disadvantages of welding-stresses due to shrinkage. To illustrate the wide application of welding in steel construction, the author gives several examples. The article gives the latest method in welding, which has a very big influence on the technical as well as on the economic side of steel structures.

SO: Polish Technical Abstracts - No. 2, 1951

GZUBA, Roman

Studies on the dynamics of organic carbon in podsollic dust soil naturally manured and fertilized with minerals. Roczniki nauki rolniczej 86 no.1:91-116 '62.

CZUBA, Roman

Effectiveness of fertilizing and certain problems of fertilizing
economy during the last 5 years in Lower Silesia. Postepy nauk
roln 9 no.6:41-54 N-D '62.

CZUBA, Roman, WIODARCZYK, Zdzisław

Preliminary evaluation of the dependence of the fertility
of soils on their utilization value and fertilization level.
Postepy nauk roln 10 no.4:31-37 J1-Ag '63.

BORATYNSKI, Kazimierz; CZUBA, Roman

Evaluation of the mineral fertilizer supply for agriculture
until 1962 and estimated needs in 1970. Postepy nauk roln
11 no. 2:3-15 Mr-Ap '64.

C 2 46A, W.

POLAND/Chemical Technology: Chemical Products I-10
and Their Application--Explosives. Pyrotechnic
compositions. Means of Chemical Defense.

Abs Jour: Ref Zhur-Khimiya, No 3, 1957, 9686

Author : Smolenski, D. and Czuba, W.

Inst : Not given

Title : Correlation of the Properties of Explosives with
Their Composition and Structure

Orig Pub: Zesz. nauk. Politechn. wrocl., 1955, No 10, 3-10
(in Polish with summaries in English and Russian)

Abstract: The explosive properties (puncture of lead
plates, detonation temperature, and sensitivity
to the action of initiating substances) of 3,5-
dinitropyridine and 3,5-dinitro-2-hydroxypyridine
have been compared with those of the structurally
similar m-dinitrobenzene and 2,4-dinitrophenol.
The explosive properties of 3,5-dinitropyridine
were also compared with the explosive properties

Card 1/2

- CZUBA, Wladyslaw

Investigations on the isomerism of ring-substituted derivatives of
3-nitraminopyridines. I. Chloro-3-nitraminopyridines. Roczniki chemii
34 no.3/4:905-915 '60. (EEAI 10:3)

1. Katedra Chemii Organicznej I Politechniki, Wroclaw
(Aminonitropyridine)
(Aminochloronitropyridine)

CZUBA, Wladyslaw

Studies on the isomerization of ring-substituted derivatives of 3-nitraminopyridine. IV. 3-nitraminopyridine sulphonic acids. *Rocz chemii* 35 no.5:1347-1350 '61.

1. Department of Organic Chemistry, Institute of Technology, Wroclaw.

CZUBA, W.

Infrared absorption spectra of some 1,5-naphthyridine derivatives. Bul chim PAN 11 no.8:423-426 '63.

1. Department of Organic Chemistry, School of Medicine, Wroclaw. Presented by T. Urbanski.

CZU'3A, W.

Dehydrobenzene reactions in nonbasic media. Wiad chem 18 no.3:
172-173 Mr'64.

CZUBA, W.

Development of views on the reaction mechanism of pyridine
N-oxide and isoquinoline with p-toluenesulfonic acid chloride.
Wiad chem 18 no. 2: 115-117 F '64.

CZUBA, W.

Bromination of 1,5-naphthyridine in fuming sulfuric acid.
Bul chim pan 11 no.7:375-380 '63.

1. Laboratory of Organic Chemistry, Agricultural University,
Wageningen (The Netherlands), and Department of Organic
Chemistry, School of Medicine, Wroclaw. Presented by T.
Urbanski.

CZUBA, Wladyslaw

Bromination of 1,5 naphthyridine in fuming sulfuric acid. Rocz chemii 37 no.12:1589-1596 '63.

1. Department of Organic Chemistry, School of Medicine, Wroclaw,
and Laboratory of Organic Chemistry, Agricultural University,
Wageningen, The Netherlands.

CZUBA, W.

Studies on the effects of substituent groups on the rearrangement of
3-nitraminopyridine derivatives. Bul chim PAN 8 no.6:281-284 '60.
(EEAI 10:9/10)

1. Department of Organic Chemistry, Technical University, Wroclaw.
Presented by T. Urbanski.

(Nitramide) (Pyridine)

CZUBACZYNSKI, J.

CZUBACZYNSKI, J. Sifting gravel from the face of ties. (To be contd.) Przegląd. p. 46

V ol. 8, no. 3, Mar. 1956
PRZEGLAD KOLEJOWY DROGOWY
TECHNOLOGY
Warszawa, Poland

So: East European Accession, Vol. 6, no. 2, 1957

CZUBACZYNSKI, J.

CZUBACZYNSKI, J. Sifting gravel from the face of ties. (Conclusion) Przegląd. p. 49

Vol. 8, no. 4, Apr. 1956
PRZEGLĄD KOLEJOWY DROGOWY
TECHNOLOGY
Warszawa, Poland

So: East European Accession, Vol. 6, no. 2, 1957

CZUB ACZYNSKI, J.

CZUBACZYNSKI, J. Light repairs of tracks. Przeglad. p. 81

Vol. 8, no. 6, 1956, June
PRZEGŁAD KOLEJOWY DROGOWY
TECHNOLOGY
Warszawa, Poland

So: East European Accession Vol. 6, no. 2, 1957

CZASDARZYNSKI, J.

Week of work of a track inspector. Przegląd Lodatek. P. 98

(PRZEGLĄD KOLEJOWY LODOWKI. Vol. 9, No. 7, July 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (SEMI) 10. Vol. , No. 10, October 1957. Uncl.

CZUBACZYNSKI, J.

Substitution of a track inspector. p.164.

(PRZECIAD KOLEJNY PRACOWNY. Vol. 9, No. 7, July 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EAL) 10. Vol. 1, No. 1, October 1957. Incl.

CZUBACZINSKI, J.

Examples of calculations for the roadmaster. Przegląd Drog. Dojazd.

F. 1. (PRZEGLĄD KOLEJOWY DROGOWY) (Warszawa, Poland) Vol. 10, no. 1, Jan. 1958

CO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

CZUBACEYNSKI, J.

Work acceptance by the roadmaster. (To be contd.) Przeład Dror. Dodatek.

P. 22. (PRZEGLAD KOLEJOWY DROGOWY) (Warszawa, Poland) Vol. 10, no. 2, Feb. 1958

X: onthly Index of East European Accession (EAI) LC Vol. 7, No. 5, 1958

CZUBACZYNSAI, J.

Examination of rails on the main tracts. (Conclusion) Przegląd Droz. Dędatek.
p.41

PRZEGŁAD KOLEJOWY DROGOWY. (Wydawnictwa Komunikacyjne) Warszawa, Poland
Vol.11, no.3, Mar. 1959

Monthly list of East European Accessions (EEAI) LC, Vol.8, no.7 July 1959

Uncl.

CZUBACYNski, J.

Repair and replacement of braking runner ejectors.

PREZEGLAD KOLEJOWY DROGOWY. (Wydawnictwa Komunikacyjne) Warszawa, Poland.
Vol. 11, no. 4, Apr. 1959

Monthly list of East European Accessions Index, (EEAI) LC, Vol. 8, no. 66
June, 1959.
uncla.

CZUBACZYNSKI, Jozef, inz.

Regulation of the track gauge with the use of metal rods.
Przeegl kolej drog:Suppl.:Dodatek dla torom majst mostown 14
no.4:89-94 Ap '62.

CZUBAK, A.; KRUPA, L.; OGUSZ, W.

Operational principles of the head of a coal loader and cutter with rotating hammers. p. 130.

PRZEGLAD GORNICZY. Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow
Gornictwo, Katowice, Poland, Vol. 15, No. 3, March, 1959.

Monthly List of East European Accessions (MEAI), IC, Vol. 8, No. 9, September, 1959
Uncl.

LESIECKI, Wacław; CZUBAK, Antoni

Theoretical principles of a shaking loader, working by throwing up the load. Archiw gorn 6 no.3:235-255 '61.

1. Członek Rady Redakcyjnej "Archiwum Gornictwa"(for Lesiecki)

(Coal mining machinery)

CZUBAK, Antoni

Selection of motion characteristics of vibration converters.
Mechan teor stosow 2 no.2:35-43 '64.

1. School of Mining and Metallurgy, Krakow. Submitted January
20, 1964.

CZUBA, Wladyslaw

On the synthesis of some derivatives of 3-pyridine sulfonic acid.
Rocz chemii 34 no.3/4:1149-1153 '60. (EEAI 10:3)

1. Katedra Chemii Organicznej I Politechniki, Wroclaw.
(Pyridinesulfonic acid)

CZUBAK, E.

NIWELINSKI, Jozef; CZUBAK, Eugeniusz

Effect of crystalline cholesterol implanted into the testes on
the testes and on the adrenals in white rats during puberty.
Folia biol 1 no.2:112-123 '53. (REAL 3:8)

1. Zaklad Biologii Akademii Medycznej w Krakowie.

(CHOLESTEROL, effects,

*on adrenal cortex & testes in puberty, implantation into
testes in white rats)

(TESTES, effects of drugs on,

*cholesterol, implantation in testes during puberty in
white rats)

(ADRENAL CORTEX, effect of drugs on,

*cholesterol, implantation into testes during puberty in
white rats)

(PUBERTY,

*eff. of cholesterol implanted in testes on adrenal cortex
& testes in white rats)

CZUBAK, E.

Histochemical studies of the development of adrenals and gonads in rabbits under physiological conditions. A. Jurand and E. Czubak (*Folia biol., Cracow*, 1953, 1, 121---139).--The no. of birefringent cholesterol granules in the adrenal cortex of new-born rabbits is greater in males than in females, but it becomes equal in both sexes at the age of 2 months, and is greater in females in the periods following. The increase and decrease, respectively, of these bodies

in the adrenal cortex is followed by corresponding changes in the amount of steroids, detectable by means of the Ashbel-Seligman reaction. In the ovaries, the birefringent granules appear at the age of 6 weeks; they form in older animals distinct "islets" which stain more intensely than the other cells of the gland. They occur in the interstitial gland tissue of the testicles only from the 2nd to the 12th week, but the Ashbel-Seligman reaction does not become intensified before the 2nd month. In the period from the 2nd to 4th week, this reaction is positive in the protoplasm of the Sertoli cells. The birefringent granulations appear temporarily in the gonads, reaching a max. no. at the same time as in the adrenal cortex. This indicates a parallel development of the secretory activity in both glands.

A. STORFER

СЗУРНК Б

Physiological events which take place during the development of the female and genital tubercle. A. Jurand and E. Cimbak (Polish Med. Assoc.), *Pol. med. farm.*, 1970, 15, 109-112 (1970). The estrous, ovarian, and testicular from pubertal females in age from newborn to 6 months were fixed in Bouin-HCHO and stained histochemically for lipid material. At birth the size of cholesterol lipides as shown by birefringence, sulfide acid reaction, and the Schmitz reaction (2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100) was greater in the adrenal cortex of males than in females. First by the age of 3 months becomes equal and later higher in the female. Increases or decreases in lipids were followed with a brief lag period by increases or decreases in total steroid content as shown by the Ashbel-

Abstract. The method (C. A. 45, 543)c. Birefringent granules in the adrenal appear at about 6 weeks of life, the same time as in the adrenal. In the adult female the granules are grouped in bands which are strongly eosinophilic. In the male birefringent granules are found in the interstitial cells only between 6 weeks and 3 months of age and keto steroids are present in high concentrations only during the 2nd month. Between 3 and 4 weeks the Sertoli cells give a relatively intense keto steroid reaction. The results are interpreted as showing a correlation between the accumulation of cholesterol in the adrenal and the gonad and its subsequent conversion to keto steroids. J. A. Bala

THE

CZUBAK, Eugeniusz; PASYK, Krystyna

Removal of nail bodies with barium sulfide in treatment of onychomycosis.
Przegl. dermat., Warsz. 8 no.6:627-632 1958.

1. Z Kliniki Dermatologicznej A. M. w Krakowie Kierownik: prof. dr K.
Lejman. Adres: Krakow, Klinika Dermatologiczna Akademii Medycznej, ul.
Kopernika 17.

(NAILS, dis.

onychomycosis, ther. removal of nail bodies with barium sul-
fide (Pol))

(SULFIDES, ther. use

barium sulfide removal of nail bodies in onychomycosis (Pol))

(BARIUM, ther. use

same)

(FUNGUS DISEASES, ther.

same)

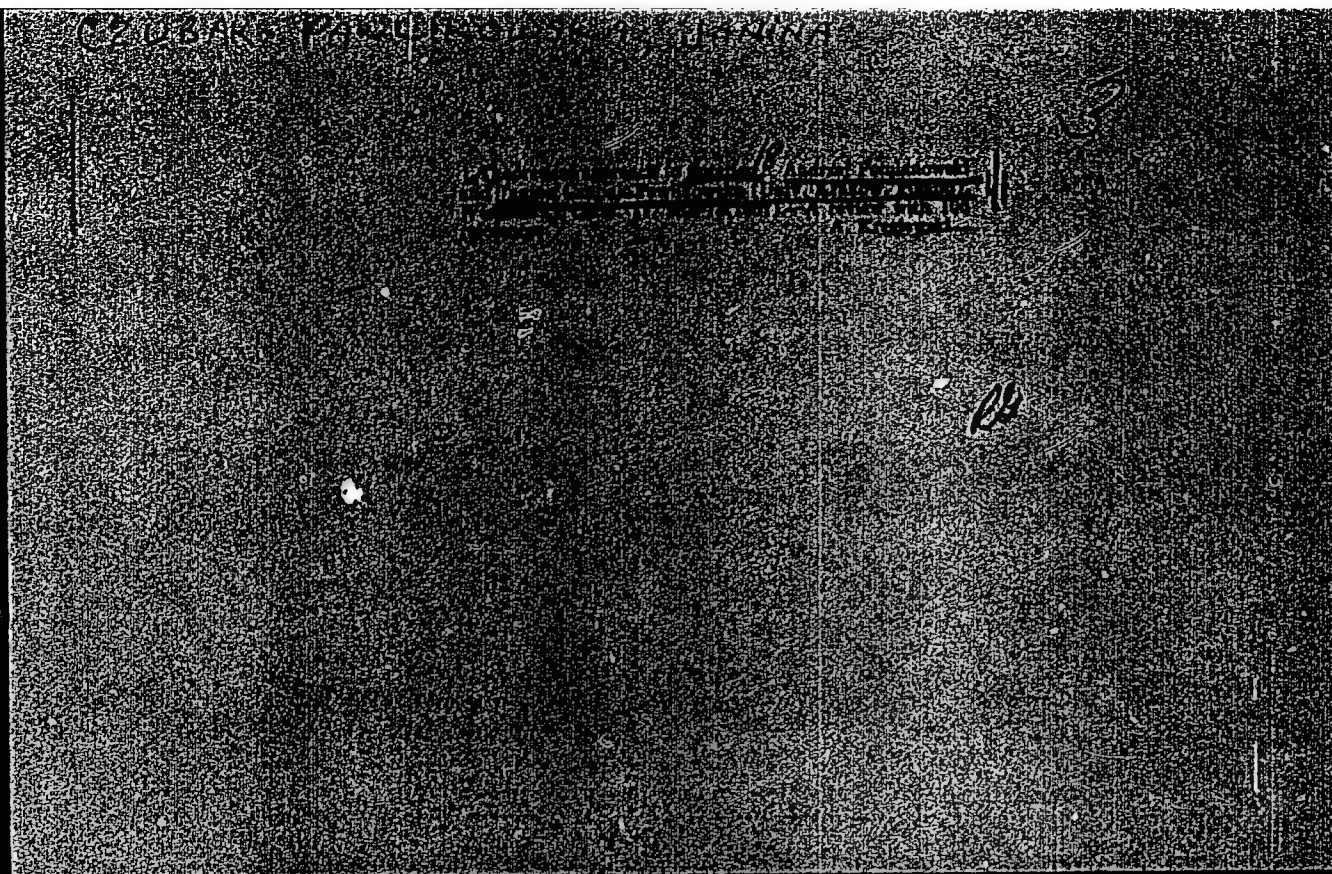
CZUBAK, Włodzimierz, mgr., inż.

Growth increase and shape of two years old carp from Pisarzowice and Mydlniki. Acta hydrobiol 3 no.2/3:199-212 '61.

1. Rybacka Stacja Doswiadczalna Wyzszej Szkoły Rolniczej, mydlniki kolo Krakowa, albo Zaklad Biologii Wod, Polska Akademia Nauk, Krakow, ul. Slawkowska 17.

CZUBAK, Włodzimierz (Krakow)

Włodzimierz Solewski, 1914-1963. Acta hydrobiol 6 no.3:155-158 '64.



CZUBAKOWSKI, H.; KRAJEWSKI, J.

The influence of mechanical treatment of the web on the work of fillet welds in plate girders. p. 118.

INZYNIERIA I BUDOWNICTWO. (Naczelna Organizacja Techniczna i Polski Związek Inżynierów i Techników Budowlanych) Warszawa, Poland.
Vol. 16, no. 3, Mar. 1959.

Monthly list of East European Accessions Index, (EEAI), LC, Vol. 8, no. 6,
June 1959
uncla.

CEWALSKI, F. Pokoj, jako podstawowy warunek rozwoju medycyny Peace as a basic condition for the progress of medicine Polski Tygodnik Lekarski, Warsaw 1949, 4/29-30 (875-877)

Considerations on the paramount value of peaceful condition for the development of medicine, based both on theoretical discussions in the teaching of medicine in practice and as a science and on the historical actions of war and peace in medicine in Poland.

Dr. Medical Microbiology and Hygiene, Section IV, Vol. 1, 1949

CZUBALSKI, F.

Changes in the chemical and physico-chemical properties of the blood as the expression of the action of cerebral cortex in the light of Pavlov's theory. Acta physiol. polon. 3 Suppl. 3:56-58 1952. (CML 24:1)

1. Of the Institute of Human Physiology (Head--Prof. Fr. Czubalski, M.D.) of Warsaw Medical Academy.

CZUBALSKI, Franciszek

Napoleon Cybulski; 100th anniversary of his birth, 1854-1919.
Neurologia etc. polska 4 no.4:359-366 July-Aug 54.

1. Z Zakladu Fizjologii Akademii Medycznej w Warszawie. Kierownik:
prof. dr Fr.Czubalski.

(BIOGRAPHIES,

Cybulski, Napoleon)

(PHYSIOLOGY, history,

in Poland, contribution of N.Cybulski)

CZUBALSKI, FRANCZEK.

CZUBALSKI, Franczek; KORDICKI, Roman; PANASEWICZ, Josef

Effect of small doses of histamine on function of isolated and not isolated hearts. Acta physiol. polon. 5 no.4:365-370 1954.

1. Z Zakladu Fizjologii Czlowieka Akademii Medycznej w Warszawie.
Kierownik: prof. dr Fr.Czubalski.

(HEART, effect of drugs on,
histamine, isolated & not isolated heart)
(HISTAMINE, effects,
on heart, isolated & not isolated)

CZUBALSKI, Franciszek

Development of concepts on the role of adrenaline in the organism. Acta physiol.polon 6 no.1:3-13 1955.

Z Zakładu Fizjologii Człowieka A.M. w Warszawie. Kierownik:
prof. dr Fr. Czubalski
(EPINEPHRINE, physiology)

CZUBALSKI, Franciszek

Speech during presentation of the plate at the department of physiology of the Academy of Medicine in Krakow on 16 Dec. 1954.
Acta physiol. polon. 6 no.2:162-163 '55.

(BIOGRAPHIES,

Cybalski, Napoleon)

CZUBALSKI, Fr., prof.dr

Commemoration of Adolf Beck. Acta physiol. polon. 9 no.1:3-5 1958

1. Zagajenie wygłoszone przez prof. dr Fr. Czubalskiego.
(OBITUARIES,
Beck, Adolf (Pol))

CZUBALSKI, Franciszek

Certain mechanisms of shock according to action of the vegetative nervous system. Acta physiol. polon. 9 no.1:67-74 1958

1. Z Zakladu Fizjologii Czlowieka A.M. w Warszawie. Kierownik: prof. dr Fr. Czubalski.

(AUTONOMIC NERVOUS SYSTEM, in var. dis.

shock, review (Pol))

(SHOCK, physiology,

autonomic NS, review (Pol))

CZUBEK, J.; ZUBER, A.

Remarks on the quantitative interpretation of the gamma-well logs. p.41.

ACTA GEOPHYSICA POLONICA. Warszawa, Poland. Vol.7, no.1, 1959.

Monthly List of East European Accessions Index (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

20075

POL/046/61/006/003/002/005
D209/D303

21.5300

AUTHORS: Czubek, Jan, Florkowski, Tadeusz, Górski, Ludwik, and
Zuber, Andrzej

TITLE: Comparison of spectra obtained for various measurement
parameters in a single-channel automatic gamma-ray
spectrometer

PERIODICAL: Nukleonika, v. 6, no. 3, 1961, 169-180

TEXT: This paper presents the results of calculations aimed at shortening the time taken in measurements made with continuous recording single-channel spectrometers, and reports an experimental test of them. The authors consider a variation of channel width, l , channel velocity, v , and ratemeter time constant, τ , only, and examine first the effect of these on the apparent position of a photopeak maximum. By describing the true peak shape as a Gaussian, and integrating over channel width, the signal at the ratemeter output is found to be

Card 1/8

20075

Comparison of spectra ...

POL/046/61/006/003/002/005
D209/D303

$$J_3(x) = \frac{e^{-\frac{x}{v\tau}}}{v\tau} \int_{-\infty}^x J_2(z) e^{\frac{z}{v\tau}} dz \quad (4)$$

$$\text{where } J_2(x) = \frac{1}{\Gamma} \int_{x-1/2}^{x+1/2} J_1(x) dx = \frac{\sigma\sqrt{2}}{1} \left[F\left(\frac{x + \frac{1}{2}}{\sigma\sqrt{2}}\right) - F\left(\frac{x - \frac{1}{2}}{\sigma\sqrt{2}}\right) \right] \quad (2)$$

$$F(x) = \int_0^x e^{-t^2} dt \quad (3) \quad h^2 = 2\sqrt{2 \ln 2\sigma} \quad (6), \text{ h being the half-}$$

width of the peak and x the variable in the energy range (= 0 at the maximum). Eq. (4) has been numerically integrated for various values of the parameters. From this, further functions $h_3 = f_1(h)$

Card 2/8

20075

POL/046/61/006/003/002, '005
D209/D303

Comparison of spectra ...

and $d = f_2(h)$ are calculated, and are shown in units of $\sqrt{\tau}$ in Fig. 2, h_3 is the apparent half-width of the peak, and d the distance of the true maximum from the beginning of the apparent half-width. The relation between these two for

$\frac{h_3}{\sqrt{\tau}} > 4$ is given by Eq. (8) $\frac{h_3 - 2d}{h_3} = \frac{2\sqrt{\tau}}{h_3}$. So that the value of τ

corresponding to a permissible deformation of the spectrum may be calculated once a value of h_3 has been measured, Eq. (4) is further used to calculate the ratio of the peak height for various v and τ to that obtained for $v = 0$, and $\tau \rightarrow 0$ as a function of h_3 , and

this is shown in Fig. 5. Finally, the effect of finite channel width on displacement of the peak maximum is considered, so that to determine the true peak maximum from a measurement, the correction d corresponding to the measured h_3 is first applied, followed

Card 3/8

20075

20015

Comparison of spectra ...

POL/046/61/006/003/002/005
D209/D303

by a further correction equal to half the channel width. The calculations were checked experimentally by measuring with conventional apparatus the displacement of the peak maximum and the ratio of the peak maxima for a moving and a static channel. Over a range of variation of the product $v\tau$ of a factor 20, all the corrected measurements gave values of the energy of a photopeak maximum which lay within the limits of uncertainty due to the channel position. The correction for finite channel width was also checked, but it is pointed out that channel width should always be less than the width across the base of the photopeak. In conclusion, the authors note that while the calculations may find considerable application, their use is restricted to fairly simple spectra, in which the energy peaks are well separated and contrasted with the background. There are 6 figures, and 8 references: 6 Soviet-bloc and 2 non-Soviet-bloc. The references to the English-language publications read as follows: B. Breitenberger: Scintillation Spectrometer Statistics. Progress in Nuclear Physics, Ed. O.R.

Card 4/8

20075

POL/046/61/006/003/002/005
D209/D303

Comparison of spectra ...

Frisch. Vol. 4, London-New York, 1955, Pergamon Press; [Abstractor's note: Breitenberger and Frisch, both mis-spelt in the article]; and J.R. Haskins, Rev.Sci. Instrum. 28, 425, 1957.

ASSOCIATION: Institute of Nuclear Research, Cracow; Academy of Mining and Metallurgy, Cracow.

SUBMITTED: January, 1961

Card 5/8

CZUBEK, Jan A.

Some problems of the theory and quantitative interpretation of gamma-ray logs. Acta geophys Pol 9 no. $\frac{1}{2}$:121-137 '61.

1. Institute of Nuclear Research, Polish Academy of Sciences, Cracow.

CZUBEK, Jan A.

Quantitative interpretation of the statical anomalies of the gamma-ray logs. Nukleonika 7 no.5:347-356 '62.

1. Polish Academy of Sciences, Institute of Nuclear Research, Krakow.

40064

P/046/62/007/006/004/005
D204/D307

217200

AUTHORS: Czubek, Jan. A. and Zuber, Andrzej

TITLE: Nomograms for calculating permissible doses of fast neutrons derived from Po + Be sources

PERIODICAL: Kuleonika, v. 7, no. 6, 1962, 419 - 423

TEXT: The nomograms, showing permissible doses as a function of the distance and activity of the source, permissible working times at various distances from the source and the change of source activity with time, have been constructed to ensure safety in work with Po + Be sources, in view of the lack of dose control in Poland. The nomograms are based on the assumptions that the permissible rate of flow (Q) of fast neutrons in $10 \text{ n/cm}^2 \cdot \text{sec}$ for a 40-hr. working week and that, in air, Q is inversely proportional to the square of the distance. Q was later arbitrarily reduced by 10% to allow for neutron scatter in the surrounding materials. The working day (6-day week) was taken as the basic time unit, so that a daily permissible Q is $2.16 \times 10^5 \text{ n/cm}^2$. The calculations were made for Soviet Po + Be sources with an activity of $1.8 \times 10^6 \text{ n/sec. curie}$. The use of Card 1/2

Nomograms for calculating ...

P/046/02/007/006/004/005
D204/D307

nomograms is described. When the experimental operations are carried out behind 7 cm thick paraffin or paraffin/ooric acid shields, the permissible working time should be multiplied by 3. The authors express their gratitude to Professor L. Jurkiewicz for his advice. There are 5 figures.

ASSOCIATION: Czubek: Instytut badań jądrowych PAN, Craców (Institute of Nuclear Research, PAS, Cracow); Zuber: Akademia górniczo-hutnicza, Craców, katedra fizyki II (The Academy of Mining and Metallurgy, Cracow, Physics Department II)

Card 2/2

P/026/60/008/003/002/004
A224/A026

AUTHOR: Czubek, Jan

TITLE: The Accuracy of Interpreting the Linear Resources of Radioactive
Ores From Gamma-Ray Logging

PERIODICAL: Acta Geophysica Polonica, 1960, Vol. 8, No. 3, pp. 206 - 223

TEXT: The paper discusses the interpretation of linear resources Q of radioactive ores obtained by γ -ray logging. The discussion is based on the analysis of radiometric profiling results of the boreholes collected while prospecting for potassium salts. However, the formulas derived in the course of the discussion have a wider meaning and can be used in the uranium prospecting after the introduction of the equilibrium constant and the emanation factor. The linear resources Q are represented by the product: $Q = \bar{q} \cdot H$, where: \bar{q} is the average concentration of the radioactive material in a given layer; and H - the thickness of this layer. Formulas are derived for calculating the variance of the γ -anomaly of the area and the calibration error of the logging sonde. Concluding, the author states that this method permits the evaluation of the $\bar{q} \cdot H$ variance in each individual case. The accuracy of the γ -ray logging depends to a large

Card 1/2

P/026/60/008/003/002/004
A224/A026

The Accuracy of Interpreting the Linear Resources of Radioactive Ores From Gamma-Ray Logging

degree on the equipment and measuring technique used. There are 7 figures and 12 references: 6 Polish, 4 Soviet and 2 English.

ASSOCIATION: Katedra Fizyki II AGH, Kraków (Department of Physics II of AGH, Cracow)

SUBMITTED: March 28, 1960

Card 2/2

CZUBEK, J.A.

Influence of the drilling fluid on the gamma-ray intensity in the borehole. Acta geophys pol 10 no.1:25-31 '62.

1. Institute of Nuclear Research, Polish Academy of Sciences, Krakow.

CZUBEK, J.A.

Accuracy of the thickness interpretation from the gamma-ray logs. Acta geophys pol 10 no.2:137-149 '62.

1. Polish Academy of Sciences, Institute of Nuclear Research, Krakow.

CZUBEK, J.A.

The natural gamma-ray well logging for density logging purposes.
Acta geophys Pol 10 no.3:217-224 '62.

1. Polish Academy of Sciences, Institute of Nuclear Research, Krakow.

CZUBEK, Jan A.

Neutron-neutron well logging theory. I. Nukleonika 7
no.12:745-758 '62.

1. Institute of Nuclear Research, VI Department, Krakow, Polish
Academy of Sciences.

CZUBEK, Jan A.

Quantitative determination of bed parameters from gamma-ray logs.
Nukleonika 8 no.3:177-184 '63.

1. Institute of Nuclear Research, Department VI, Krakow.

BOROWCZYK, Marian; CZUBEK, Jan A.; DZIUNIKOWSKI, Bohdan; NIEWODNICZANSKI, Jerzy; ZUBER, Andrzej

Apparatus for radiometric determination of the bulk density and the moisture of soil under field conditions. Nukleonika 9 no.11/12:871-884 '64.

1. Department of Engineering Geology of the Institute of Geology, Warsaw (for Borowczyk). 2. Department VI of the Institute of Nuclear Research of the Polish Academy of Sciences, Warsaw (for Czubek and Zuber). 3. Institute of Nuclear Technology of the School of Mining and Technology, Krakow (for Dziunikowski and Niewodniczanski).

POLAND

JURKIEWICZ, Leopold; CZUBEX, Jan A.

1. Institute of Nuclear Research, Crakow (for both); 2. Institute of Nuclear Techniques, Crakow (for Jurkiewicz, deceased)

Warsaw, Acta geophysica polonica, No 3, July/Sept 1966, pp 173-98

"Well-logging methods based on the use of isotope sources of nuclear radiation."

ACC NR: AP7000254

SOURCE CODE: PO/0026/66/014/003/0175/0198

AUTHOR: Jurkiewicz, Leopold (Deceased); Czubek, Jan A.

ORG: Institute of Nuclear Research, Cracow; Jurkiewicz Institute of Nuclear Techniques, Cracow

TITLE: Borehole logging methods based on the use of isotope sources of nuclear radiation

SOURCE: Acta geophysica polonica, v. 14, no. 3, 1966, 175-198

TOPIC TAGS: gamma gamma logging, nuclear ^{radiation} ~~geophysics~~, neutron neutron logging, borehole logging, *isotope, prospecting, industrial nuclear application*

ABSTRACT: Developments in nuclear geophysical prospecting are reviewed, especially well-logging methods based on the use of isotope sources of nuclear radiation. The theory and practice of natural gamma-ray logging, gamma-gamma density logging, gamma-gamma selective logging, neutron-neutron logging, neutron-gamma logging, gamma-neutron logging, and activation by neutrons from isotope sources in boreholes are discussed on the basis of some 150 Soviet and non-Soviet sources. The advantages and disadvantages of each method are noted. Orig. art. has: 7 tables, 2 figures, and 2 formulas.

SUB CODE: 08/1/SUBM DATE: 07Jan66/ ORIG REF: 010/ OTH REF: 050 / SOV REF: 069

Card 1/1

7
C. CZUBEK, S.

5666. DETERMINATION OF PHOSPHORUS IN COAL. Węskowski, L. 1951.
(Czubek, S. (Katowice: Państw. Gór. Inst. Gór. (Proc. Chief Inst. Min.,
1951, Rozprawy, 33, 12pp.). Methods of determining phosphorus in
fuels and modern views on the forms of phosphorus in coals are reviewed.
A modification of the Kjeldahl method was adopted for determining phos-
phorus in coals. It was found to give higher values for phosphorus content
than tests on the ash of the same sample. (L).

CZUBEK-SYCHOWA, Barbara

Differentiation of the color sense in pigeons in connection with the
diverse coloring of the oil droplets in the various parts of the retina.
Prace zool no.6:173-192 '62.

1. Institute of Animal Psychology and Ethology, Jagiellonian University,
Krakow. Head: prof dr R.J. Wojtusiak.

BURA, Frydolin, mgr inz.; CZUBERNAT, Stanislaw, mgr inz.

Technical progress in the Jaworznicko Mikolowskie Coal Mining Industry
in 1962. Wiadom gorn 14 no.2/3, 67-71 F-Mr '63.

CZUBRYT, Antoni, inż.

New designs, new technology in the Kujavian Agricultural Machine
Works. Przegl tech 84 no.50:1C, 11 15 D'63.